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Serial Number: 10/7/9,307

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Day: Monday Date: 3/20/2006

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PALM INTRANET

Inventor Information for 10/719307

Inventor Name	City	State/Country
MIN, XIAOYI	THOUSAND OAKS	CALIFORNIA
BORNZIN, GENE A.	SIMI VALLEY	CALIFORNIA
SNELL, JEFFERY D.	CHATSWORTH	CALIFORNIA
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US 20060047319 A1	US- PGPUB	20060302	27	System and method for determining optimal atrioventricular delay based on intrinsic conduction delays		607/9	600/500	Bruhns; Ken et al.
US 20050277992 A1	US- PGPUB	20051215		Collecting and analyzing sensed information as a trend of heart failure progression or regression		607/9	600/509	Koh, Steve et al.
US 20050216067 A1	US- PGPUB	20050929		System and method for predicting a heart condition based on impedance values using an implantable medical device		607/17		Min, Xiaoyi et al.
US 20050215914 A1	US- PGPUB	20050929		System and method for evaluating heart failure based on ventricular enddiastolic volume using an implantable medical device		600/508		Bornzin, Gene A. et al.
US 20050149138 A1	US- PGPUB	20050707		System and method for determining optimal pacing sites based on myocardial activation times		607/27		Min, Xiaoyi et al.
US 20050125041 A1	US- PGPUB	20050609		Methods for ventricular pacing		607/9		Min, Xiaoyi et al.
US 20050080471 A1	US- PGPUB	20050414		Lead body construction		607/122		Chitre, Yougandh et al.
US 20050070965 A1	US-	20050331		Method and	_	607/9		Kil, Jong

	PGPUB		system for discriminating RA driven from LA driven atrial flutter			et al.
US 20050059897 A1	US- PGPUB	20050317	Statistical analysis for implantable cardiac devices	600/510		Snell, Jeffery D. et al.
US 20050055060 A1	US- PGPUB	20050310	Determination of respiratory characteristics from AV conduction intervals	607/17		Koh, Steve et al.
US 20040267321 A1	US- PGPUB	20041230	Method and apparatus for monitoring drug effects on cardiac electrical signals using an implantable cardiac stimulation device	607/3	607/9	Boileau, Peter et al.
US 20040243210 A1	US- PGPUB	20041202	Fixation of a left heart medical lead in the coronary sinus	607/122	607/125	Morgan, Kevin L. et al.
US 20040199104 A1	US- PGPUB	20041007	Apparatus and system for delivery of drug therapies	604/65		Ujhelyi, Michael R. et al.
US 20040064176 A1	US- PGPUB	20040401	Electrode for his bundle stimulation	607/126		Min, Xiaoyi et al.
US 20030195580 A1	US- PGPUB	20031016	Method and apparatus for monitoring myocardial conduction velocity for diagnostics of therapy optimization	607/28		Bradley, Kerry et al.
US 20030195579 A1	US-	20031016	Automatic	607/27		Bradley,

,	PGPUB		capture using independent channels in bi-chamber stimulation			Kerry et al.
US 20030195507 A1	US- PGPUB	20031016	Ablation catheter and method for isolating a pulmonary vein	606/41	600/374; 600/381	Stewart, Mark T. et al.
US 20030195506 A1	US- PGPUB	20031016	Ablation catheter and method for isolating a pulmonary vein	606/41	600/374; 600/381	Stewart, Mark T. et al.
US 20030191463 A1	US- PGPUB	20031009	Ablation catheter and method for isolating a pulmonary vein	606/41		Stewart, Mark T. et al.
US 20030171782 A1	US- PGPUB	20030911	Method and apparatus for using a rest mode indicator to automatically adjust control parameters of an implantable cardiac stimulation device	607/19		Florio, Joseph J. et al.
US 20030171781 A1	US- PGPUB	20030911	Method and apparatus for using a rest mode indicator to automatically adjust control parameters of an implantable cardiac stimulation device	607/17	607/19	Florio, Joseph J. et al.
US 20030163165 A1	US- PGPUB	20030828	Implantable cardiac stimulation device that defibrillates the atria while avoiding the	607/5		Bornzin, Gene A. et al.

			ventricular		
			vulnerable period and method		
US 20030153956 A1	US- PGPUB	20030814	Cardiac stimulation device including sleep apnea prevention and treatment	607/17	Park, Euljoon et al.
US 20030153955 A1	US- PGPUB	20030814	Cardiac stimulation device including sleep apnea prevention and treatment	607/17	Park, Euljoon et al.
US 20030153954 A1	US- PGPUB	20030814	Sleep apnea therapy device using dynamic overdrive pacing	607/17	Park, Euljoon et al.
US 20030153953 A1	US- PGPUB	20030814	Stimulation device for sleep apnea prevention, detection and treatment	607/17	Park, Euljoon et al.
US 20030130704 A1	US- PGPUB	20030710	Method and apparatus for dynamically adjusting a non- linear overdrive pacing response function	607/11	Florio, Joseph J. et al.
US 20030130703 A1	US- PGPUB	20030710	Method and apparatus for dynamically adjusting overdrive pacing parameters	607/11	Florio, Joseph J. et al.
US 20030083708 A1	US- PGPUB	20030501	Implantable cardiac stimulation system and method for automatic capture verification calibration	607/27	Bradley, Kerry et al.
US 20030074040 A1	US-	20030417	System, device	607/119	Florio,

	PGPUB		and method for placing a body implantable lead in the coronary sinus region of the heart		Joseph J. et al.
US 20030050681 A1	US- PGPUB	20030313	Self-anchoring coronary sinus lead	607/125	Pianca, Anne M. et al.
US 20030045910 A1	US- PGPUB	20030306	Pacing mode to reduce effects of orthostatic hypotension and syncope	607/23	Sorensen, Chris et al
US 20030040778 A1	US- PGPUB	20030227	Orientation of patient's position sensor using external field	607/17	Kroll, Mark W. et al.
US 20030040776 A1	US- PGPUB	20030227	Detection of patient's position and activity status using 3D accelerometer-based position sensor	607/9	Kroll, Mark W. et al.
US 20020143372 A1	US- PGPUB	20021003	System and method for remote programming of implantable cardiac stimulation devices	607/30	Snell, Jeffery D. et al.
US 20020120303 A1	US- PGPUB	20020829	Implantable cardiac device providing repetitive non- reentrant ventriculo-atrial synchronous (RNRVAS) rhythm therapy using VA interval extension and method	607/14	Levine, Paul A. et al.
US 20020120301 A1	US-	20020829	Implantable	607/9	Levine,

	DODIE		l sanding desires			Paul A. et
	PGPUB		cardiac device			1
			providing			al.
	1		repetitive non-	1		
			reentrant			
			ventriculo-atrial	1		
			synchronous			
			(RNRVAS)	İ		
			rhythm therapy			
			using secondary			
			pacing pulses and			
			method			
US 20020103524 A1	US-	20020801	Implantable	607/122		Bornzin,
00 2002010002 . 111	PGPUB		cardiac single			Gene A. et
	10102		pass coronary	ļ		al.
			sinus lead for			
			providing pacing			
•			and defibrillation			
			and method of			
			manufacture			
TYG 0000102502 A1	TIC	20020801	Implantable	607/122		Helland,
US 20020103523 A1	US-	20020801		007/122		John R. et
	PGPUB		cardiac coronary			al.
			sinus lead having			ai.
			a defibrillation			
	İ		electrode of split			
			configuration and			
			method of			
			manufacture			
US 20020095190 A1	US-	20020718	System and	607/28		Bornzin,
	PGPUB		method for			Gene A. et
			automating			al.
			capture			
·			verification			
			assessment and			
			pacing threshold]	
			assessment using			
			a programmer			
US 20020022839 A1	US-	20020221	Ablation catheter	606/41		Stewart,
05 20020022037 KI	PGPUB	=====================================	and method for			Mark T. et
	1 01 01		isolating a			al.
			pulmonary vein			
US 20020004672 A1	US-	20020110	Implantable	607/9		Florio,
03 20020004072 AT	PGPUB	20020110	cardiac			Joseph J.
	rurub		stimulation			et al.
			device with			1
		[device with detection and			
	<u> </u>	<u> </u>	therapy for	<u> </u>		_ l

			patients with vasovagal syncope		
US 20020004671 A1	US- PGPUB	20020110	System and method for preventing sudden heart rate drop using implantable cardiac pacing device	607/9	Bornzin, Gene A. e al.
US 20020004670 A1	US- PGPUB	20020110	Implantable cardiac stimulation device with detection and therapy for patients with vasovagal syncope	607/9	Florio, Joseph J. et al.
US 20020002389 A1	US- PGPUB	20020103	Cardiac stimulation devices and methods for measuring impedances associated with the left side of the heart	607/8	Bradley, Kerry et al.
US 20010049542 A1	US- PGPUB	20011206	System and method for automatically verifying capture during multichamber stimulation	607/28	Florio, Joseph J. et al.
US 20010037136 A1	US- PGPUB	20011101	Lead with polymeric tubular liner for guidewire and stylet insertion	607/122	Pianca, Anne M. et al.
US 20010037135 A1	US- PGPUB	20011101	Lead with polymeric tubular liner for guidewire and stylet insertion	607/122	Pianca, Anne M. et al.

US 7006868 B2	USPAT	20060228	Method and apparatus for using a rest mode indicator to automatically adjust control parameters of an implantable cardiac stimulation device	607/19		Florio, Joseph J. et al.
US 6999817 B2	USPAT	20060214	Cardiac stimulation device including sleep apnea prevention and treatment	607/19	607/9	Park; Euljoon et al.
US 6990374 B1	USPAT	20060124	Methods and apparatus for overdrive pacing heart tissue using an implantable cardiac stimulation device	607/9		Florio; Joseph J. et al.
US 6988007 B1	USPAT	20060117	Single pass telescoping cardiac lead for the left heart	607/123	600/374; 607/125	Morgan; Kevin L. et al.
US 6978181 B1	USPAT	20051220	Inter-programmer communication among programmers of implantable medical devices	607/60	128/903; 607/2; 607/30; 607/32	Snell; Jeffery D.
US 6973350 B1	USPAT	20051206	Diagnosis of atrial fusion, atrial pseudofusion and/or native atrial activity	607/27		Levine; Paul A. et al.
US 6968232 B2	USPAT	20051122	Method and apparatus for using a rest mode indicator to automatically	607/18		Florio; Joseph J. et al.

			adjust control			
			parameters of an			
			implantable			
			cardiac			
			stimulation			
			device			j
US 6961617 B1	USPAT	20051101	Method and	607/30	607/59;	Snell;
			apparatus to		607/60	Jeffery D.
			backup, update			
			and share data			
			among			İ
			implantable			
			cardiac			
			stimulation			
			device	1]	
			programmers			
US 6949097 B2	USPAT	20050927	Ablation catheter	606/41	607/113;	Stewart;
			and method for		607/122;	Mark T. et
			isolating a		607/99	al.
			pulmonary vein			
US 6937900 B1	USPAT	20050830	AC/DC multi-	607/19	607/18	Pianca;
			axis			Anne M.
			accelerometer for			et al.
			determining			
			patient activity			
			and body position			
US 6937897 B2	USPAT	20050830	Electrode for His	607/9	607/127	Min;
	ľ		bundle	[Xiaoyi et
			stimulation			al.
US 6934587 B1	USPAT	20050823	System and	607/28		Bornzin;
			method for			Gene A. et
			automatic atrial			al.
			capture detection			
			and atrial pacing			
			threshold			
			determination	505/0	605/15	D 11
US 6931281 B2	USPAT	20050816	Method and	607/9	607/17;	Bradley;
			apparatus for		607/28	Kerry et
			monitoring			al.
			myocardial			
			conduction			
			velocity for			
			diagnostics of	1		
			therapy			
770 (0000) 70	1100.10	20050000	optimization	607/20	607/18;	Park;
US 6928324 B2	USPAT	20050809	Stimulation	007/20	1007/10,	I ai K,

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			device for sleep apnea prevention, detection and treatment		607/42	Euljoon et
US 6925326 B1	USPAT	20050802	Implantable cardiac stimulation system and method for measuring atrioventricular conduction and adjusting atrioventricular hystersis	600/510	607/9	Levine; Paul A. et al.
US 6915164 B2	USPAT	20050705	Automatic capture using independent channels in bi- chamber stimulation	607/29		Bradley; Kerry et al.
US 6907291 B1	USPAT	20050614	Secure telemetry system and method for an implantable cardiac stimulation device	607/31	607/60	Snell; Jeffery D. et al.
US 6904321 B1	USPAT	20050607	System and method of identifying fusion for dual-chamber automatic capture stimulation device	607/27		Bornzin; Gene A. et al.
US 6904320 B2	USPAT	20050607	Sleep apnea therapy device using dynamic overdrive pacing	607/17		Park; Euljoon et al.
US 6904317 B2	USPAT	20050607	Method and apparatus for dynamically adjusting overdrive pacing parameters	607/9	607/11	Florio; Joseph J. et al.
US 6904313 B1	USPAT	20050607	Methods and	600/519	600/509	Snell;

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			systems for monitoring heart rate recovery			Jeffery D.
US 6899711 B2	USPAT	20050531	Ablation catheter and method for isolating a pulmonary vein	606/41	607/113; 607/122; 607/99	Stewart; Mark T. et al.
US 6889077 B2	USPAT	20050503	Implantable cardiac stimulation device that defibrillates the atria while avoiding the ventricular vulnerable period and method	607/4	607/63	Bornzin; Gene A. et al.
US 6862471 B1	USPAT	20050301	Method and apparatus for blanking T-waves from combipolar atrial cardiac signals based on expected T-wave locations	600/509	607/9	McClure; Kelly H. et al.
US 6832112 B1	USPAT	20041214	Method of adjusting an AV and/or PV delay to improve hemodynamics and corresponding implantable stimulation device	607/9		Bornzin; Gene A.
US 6804556 B1	USPAT	20041012	Methods and apparatus for overdrive pacing heat tissue using an implantable cardiac stimulation device	607/9		Florio; Joseph J. et al.
US 6792307 B1	USPAT	20040914	Implantable cardiac stimulation	607/9	600/509	Levine; Paul A. et al.

					T	
			system and	1		
			method for			
			measuring			
			atrioventricular			
			conduction and			
			adjusting			
			atrioventricular			
			hysteresis	1		
US 6782291 B1	USPAT	20040824	Implantable	607/28		Bornzin;
US 0762291 D1	051711	20010021	cardiac			Gene A. et
			stimulation			al.
			device with			""
			automatic evoked			
			response sensing			
			electrode			
			configuration	1		
			selection and			
			method			
US 6773433 B2	USPAT	20040810	Ablation catheter	606/41	607/113;	Stewart;
			and method for		607/122;	Mark T. et
			isolating a		607/99	al.
			pulmonary vein		ii ii	
US 6766198 B1	USPAT	20040720	System and	607/30		Snell;
03 0700136 D1	USIAI	20040720	method for			Jeffery D.
			providing patient			
			status information			
		}				
]	during			
			interrogation of			
			an implantable			
			cardiac			
			stimulation			.
			device			
US 6766195 B1	USPAT	20040720	Method and	607/14	600/515;	Bornzin;
			apparatus for		607/4;	Gene A. et
			detecting natural		607/5	al.
		•	electrical			
			coherence within			
			the heart and for			
	1		administering			
			therapy based			
			thereon			
770 (860) 51	TIODAT	20040706		607/4	607/123	Helland;
US 6760619 B1	USPAT	20040706	Two lead	00 //4	007/123	John R. et
			universal			l I
			defibrillation,] [al.
			pacing and			
			sensing system			

US 6758854 B1	USPAT	20040706	Splittable occlusion balloon sheath and process of use	606/194	604/101.01	Butler; William et al.
US 6748268 B1	USPAT	20040608	Three lead universal pacing and shocking system	607/4		Helland; John R. et al.
US 6748261 B1	USPAT	20040608	Implantable cardiac stimulation device for and method of monitoring progression or regression of heart disease by monitoring interchamber conduction delays	600/510	600/509; 607/9	Kroll; Mark W. et al.
US 6745081 B1	USPAT	20040601	Coronary Sinus Cardiac Lead For Stimulating and Sensing The Atria of the Right and Left Heart and System	607/123		Helland; John R. et al.
US 6741885 B1	USPAT	20040525	Implantable cardiac device for managing the progression of heart disease and method	600/509	600/529; 607/19; 607/20	Park; Euljoon et al.
US 6735478 B1	USPAT	20040511	System and method for providing patient status information during interrogation of an implantable cardiac stimulation device	607/59		Snell; Jeffery D.
US 6731985 B2	USPAT	20040504	Implantable cardiac stimulation	607/28		Poore; John W. et al.

			system and method for automatic capture verification calibration			
US 6721601 B1	USPAT	20040413	System and method for automatic atrial capture detection and atrial pacing threshold determination	607/28		Bornzin; Gene A. et al.
US 6721598 B1	USPAT	20040413	Coronary sinus cardiac lead for stimulating and sensing in the right and left heart and system	607/4	607/123	Helland; John R. et al.
US 6711438 B1	USPAT	20040323	Method and apparatus for blanking T-waves from combipolar atrial cardiac signals based on expected T-wave locations	607/9		McClure; Kelly H. et al.
US 6701187 B1	USPAT	20040302	Implantable cardiac stimulation device and method for prolonging atrial refractoriness	607/14		Bornzin; Gene A. et al.
US 6662047 B2	USPAT	20031209	Pacing mode to reduce effects of orthostatic hypotension and syncope	607/18	607/23	Sorensen; Chris et al.
US 6658292 B2	USPAT	20031202	Detection of patient's position and activity status using 3D accelerometer-based position sensor	607/19		Kroll; Mark W. et al.
US 6658283 B1	USPAT	20031202	Implantable	600/510		Bornzin;

			cardiac stimulation device, system and method which provides an electrogram signal having the appearance of a surface			Gene A. et al.
US 6650945 B2	USPAT	20031118	electrocardiogram Implantable cardiac coronary sinus lead having a defibrillation electrode of split configuration and method of manufacture	607/122	607/123	Helland; John R. et al.
US 6650931 B1	USPAT	20031118	System and method of automatically determining the onsets and ends of cardiac events and far-field signals	600/510		McClure; Kelly H. et al.
US 6647295 B2	USPAT	20031111	Implantable cardiac stimulation device with detection and therapy for patients with vasovagal syncope	607/9	607/17	Florio; Joseph J. et al.
US 6640136 B1	USPAT	20031028	Implantable cardiac stimulation device with automatic electrode selection for avoiding cross- chamber stimulation	607/28		Helland; John R. et al.
US 6636766 B2	USPAT	20031021	System and	607/19	607/17	Bornzin;

US 6625493 B2	USPAT	20030923	method for preventing sudden heart rate drop using implantable cardiac pacing device Orientation of patient's position	607/17		Gene A. et al. Kroll; Mark W.
			sensor using external field			et al.
US 6625492 B2	USPAT	20030923	Implantable cardiac stimulation device with detection and therapy for patients with vasovagal syncope	607/17	607/9	Florio; Joseph J. et al.
US 6625490 B1	USPAT	20030923	System and method of automatically adjusting sensing parameters based on temporal measurement of cardiac events	607/9		McClure; Kelly H. et al.
US 6622045 B2	USPAT	20030916	System and method for remote programming of implantable cardiac stimulation devices	607/30	607/32; 607/59; 607/60	Snell; Jeffery D. et al.
US 6618619 B1	USPAT	20030909	Method and apparatus for reducing the effect of evoked responses on polarization measurements in an automatic capture pacing system	607/27	607/28	Florio; Joseph J. et al.

US 6606517 B1	USPAT	20030812	Methods and apparatus for preventing atrial arrhythmias by overdrive pacing and prolonging atrial refractoriness using an implantable cardiac stimulation device	607/14		Park; Euljoon et al.
US 6600952 B1	USPAT	20030729	Secure telemetry system and method for an implantable cardiac stimulation device	607/31	607/32; 607/60	Snell; Jeffery D. et al:
US 6572612 B2	USPAT	20030603	Ablation catheter and method for isolating a pulmonary vein	606/41	607/113; 607/122; 607/99	Stewart; Mark T. et al.
US 6539259 B1	USPAT	20030325	System and method of automatically adjusting sensitivity in an implantable cardiac stimulation device	607/9		Weinberg; Lisa P. et al.
US 6519493 B1	USPAT	20030211	Methods and apparatus for overdrive pacing heart tissue using an implantable cardiac stimulation device	607/9		Florio; Joseph J. et al.
US 6512953 B2	USPAT	20030128	System and method for automatically verifying capture during multi-	607/28	٩	Florio; Joseph J. et al.

			chamber stimulation			
US 6510342 B1	USPAT	20030121	Methods and apparatus for preventing atrial arrhythmias by overdrive pacing multiple heart tissue sites using an implantable cardiac stimulation device	607/15	607/14	Park; Euljoon et al.
US 6498949 B2	USPAT	20021224	Implantable cardiac device providing repetitive non- reentrant ventriculo-atrial synchronous (RNRVAS) rhythm therapy using VA interval extension and method	607/14	607/9	Levine; Paul A. et al.
US 6490489 B2	USPAT	20021203	Implantable cardiac single pass coronary sinus lead for providing pacing and defibrillation and method of manufacture	607/122		Bornzin; Gene A. et al.
US 6477419 B2	USPAT	20021105	Implantable cardiac device providing repetitive non- reentrant ventriculo-atrial synchronous (RNRVAS) rhythm therapy using secondary pacing pulses and method	607/14	607/9	Levine; Paul A. et al.
US 6466821 B1	USPAT	20021015	AC/DC multi-	607/18	607/19	Pianca;

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			axis accelerometer for determining patient activity and body position			Anne M. et al.
US 6459937 B1	USPAT	20021001	Endocardial pacing lead with detachable tip electrode assembly	607/126	607/119	Morgan; Kevin L. et al.
US 6456890 B2	USPAT	20020924	Lead with polymeric tubular liner for guidewire and stylet insertion	607/122		Pianca; Anne M. et al.
US 6456889 B2	USPAT	20020924	Lead with polymeric tubular liner for guidewire and stylet insertion	607/122		Pianca; Anne M. et al.
US 6456881 B1	USPAT	20020924	System and method of identifying fusion for dual-chamber automatic capture stimulation device	607/27		Bornzin; Gene A. et al.
US 6456880 B1	USPAT	20020924	Implantable cardiac stimulation device for and method of monitoring progression or regression of a patient's heart condition by monitoring ventricular repolarization interval dispersion	607/25		Park; Euljoon et al.
US 6449509 B1	USPAT	20020910	Implantable stimulation device having synchronous	607/20	600/533; 600/547; 607/17	Park; Euljoon et al.

			sampling for a respiration sensor			
US 6424867 B1	USPAT	20020723	Secure telemetry system and method for an implantable cardiac stimulation device	607/31	607/32; 607/60	Snell; Jeffery D. et al.
US 6408210 B1	USPAT	20020618	System and method for automatic atrial capture detection and atrial pacing threshold determination	607/28		Bornzin, Gene A. et al.
US 6405091 B1	USPAT	20020611	Lead assembly with masked microdisk tip electrode and monolithic controlled release device	607/120	607/126	Vachon; David J. et al.
US 6405087 B1	USPAT	20020611	Cardiac stimulation system providing implantable device performance evaluation and method	607/27	607/28	Snell; Jeffery D.
US 6389316 B1	USPAT	20020514	System and method for automatic atrial capture detection and atrial pacing threshold determination	607/28	607/11	Bornzin; Gene A. et al.
US 6377852 B1	USPAT	20020423	Implanatable cardiac stimulation device and method for prolonging atrial refractoriness	607/9		Bornzin; Gene A. et al.
US 6351672 B1	USPAT	20020226	System and	607/19	607/17	Park;

			method for modulating the pacing rate based on patient activity and position			Euljoon et al.
US 6325797 B1	USPAT	20011204	Ablation catheter and method for isolating a pulmonary vein	606/41	607/113; 607/122; 607/99	Stewart; Mark T. et al.
US 6321123 B1	USPAT	20011120	J-shaped coronary sinus lead	607/122	600/374	Morris, Mary M. et al.
US 6295471 B1	USPAT	20010925	System and method for automatic atrial capture detection and atrial pacing threshold determination	607/28		Bornzin; Gene A. et al.
US 6275733 B1	USPAT	20010814	Dual sensor rate response pacemaker	607/18	607/19	Park; Euljoon et al.
US 6269264 B1	USPAT	20010731	Method for measuring impedance in the body	600/547	607/28	Weyant; Robert R. et al.
US 6263245 B1	USPAT	20010717	System and method for portable implantable device interogation	607/60	128/903; 607/32	Snell; Jeffery D.
US 6249705 B1	USPAT	20010619	Distributed network system for use with implantable medical devices	607/59	607/30	Snell; Jeffery D.
US 6178355 B1	USPAT	20010123	Intracardiac defibrillation leads	607/122		Williams; Terrell M. et al.
US 6175766 B1	USPAT	20010116	Cardiac pacemaker autothreshold arrangement and method with reliable capture	607/28		Bornzin; Gene A. et al.

US 6128534 A	USPAT	20001003	Implantable cardiac stimulation device and method for varying pacing parameters to mimic circadian cycles	607/17	607/25	Park; Euljoon et al.
US 6122546 A	USPAT	20000919	Pacemaker and method of operating same that provides functional atrial cardiac pacing with ventricular support	607/9		Sholder; Jason A. et al.
US 6058328 A	USPAT	20000502	Implantable stimulation device having means for operating in a preemptive pacing mode to prevent tachyarrhythmias and method thereof	607/14		Levine; Paul A. et al.
US 6044294 A	USPAT	20000328	Methods and apparatus for measuring impedance in the body	600/547	607/9	Mortazavi; Said et al.
US 6038472 A	USPAT	20000314	Implantable defibrillator and lead system	607/5	607/122	Williams; Terrell M. et al.
US 5991661 A	USPAT	19991123	System and method for measuring cardiac activity	607/19		Park; Euljoon et al
US 5954666 A	USPAT	19990921	System for analyzing specific portions of cardiac waveforms	600/523	607/32	Snell; Jeffery D.
US 5891176 A	USPAT	19990406	System and	607/18		Bornzin;

			method for providing hemodynamically optimal pacing			Gene A.
US 5873895 A	USPAT	19990223	Pacemaker and method of operating same that provides functional atrial cardiac pacing with ventricular support	607/9		Sholder; Jason A. et al.
US 5871530 A	USPAT	19990216	Intracardiac defibrillation leads	607/122		Williams; Terrell M. et al.
US 5836976 A	USPAT	19981117	Cardioversion energy reduction system	607/6		Min, Xiaoyi et al.
US 5833623 A	USPAT	19981110	System and method for facilitating rapid retrieval and evaluation of diagnostic data stored by an implantable medical device	600/523	607/32	Mann; Brian M. et al.
US 5814077 A	USPAT	19980929	Pacemaker and method of operating same that provides functional atrial cardiac pacing with ventricular support	607/9		Sholder; Jason A. et al.
US 5810739 A	USPAT	19980922	Methods and apparatus for classifying cardiac events with an implantable cardiac device	600/510		Bornzin; Gene A. et al.
US 5800467 A	USPAT	19980901	Cardio- synchronous impedance measurement	607/17		Park; Euljoon et al.

			system for an implantable stimulation device			
US 5792204 A	USPAT	19980811	Methods and apparatus for controlling an implantable device programmer using voice commands	607/32		Snell; Jeffery D.
US D395650 S	USPAT	19980630	"Set the hours" icon for a display screen of a programmed computer system	D14/495		Levin; Thomas G. et al.
US 5766229 A	USPAT	19980616	Capture verification method and apparatus for implantable pacemaker utilizing heart rhythm stability measurements to minimize the likelihood of fusion	607/28	607/16	Bornzin; Gene A.
US D394853 S	USPAT	19980602	"Set a.m. or p.m." icon for a display screen of a programmed computer system	D14/489		Levin; Thomas G. et al.
US D394852 S	USPAT	19980602	"Set the minutes" icon for a display screen of a programmed computer system	D14/494		Levin; Thomas G. et al.
US 5759199 A	USPAT	19980602	System and method for ambulatory monitoring and programming of an implantable medical device	607/60	128/903; 607/32; 607/59	Snell; Jeffery D. et al.

US 5756941 A	USPAT	19980526		Retractable pen tether for a digitizer pen and method of attaching a digitizer pen to a digitizer	178/19.01	345/179	Snell; Jeffery D.
US 5749908 A	USPAT	19980512		Methods and apparatus for annotating data in an implantable device programmer using digitally recorded sound	607/30		Snell; Jeffery D.
US 5733312 A	USPAT	19980331		System and method for modulating the output of an implantable medical device in response to circadian variations	607/17		Schloss; Harold C. et al.
US 5724985 A	USPAT	19980310		User interface for an implantable medical device using an integrated digitizer display screen	600/510	600/523; 607/30	Snell; Jeffery D. et al.
US 5722999 A	USPAT	19980303	٠.	System and method for storing and displaying historical medical data measured by an implantable medical device	607/32	607/27	Snell; Jeffery D.
US 5720771 A	USPAT	19980224	,	Method and apparatus for monitoring physiological data from an implantable medical device	607/60	128/903; 600/509; 607/32; 607/62; 607/63	Snell; Jeffery D.

US 5718242 A	USPAT	19980217	Cardiac arrhythmia detection system for an implantable stimulation device and method	600/515	600/518; 600/521; 607/14	McClure; Kelly H. et al.
US 5716384 A	USPAT	19980210	Method and system for organizing, viewing and manipulating information in implantable device programmer	607/30	607/32	Snell; Jeffery D.
US 5716382 A	USPAT	19980210	Programmer for an implantable cardiac stimulating device	607/30		Snell; Jeffery D.
US 5713924 A	USPAT	19980203	Defibrillation threshold reduction system	607/4		Min; Xiaoyi et al.
US D388778 S	USPAT	19980106	Set the clock icon for a display screen of a programmed computer system	D14/494		Levin; Thomas G. et al.
US 5697956 A	USPAT	19971216	Implantable stimulation device having means for optimizing current drain	607/28		Bornzin; Gene A.
US 5690686 A	USPAT	19971125	Atrial defibrillation method	607/5		Min; Xiaoyi et al.
US D385547 S	USPAT	19971028	Freeze recording mode icon for a display screen of a programmed computer system	D14/495		Snell; Jeffery D.
US D385546 S	USPAT	19971028	Printer icon for a display screen of	D14/495		Levin; Thomas

			a programmed computer system	,		G. et al.
US D385544 S	USPAT	19971028	"Store data in a batch queue" icon for a display screen of a programmed computer system	D14/493		Snell; Jeffery D. et al.
US 5674274 A	USPAT	19971007	Implantable adjustable single- pass A-V lead for use with an implantable stimulation device	607/123	607/122	Morgan; Kevin L. et al.
US 5643338 A	USPAT	19970701	Single-pass A-V lead for pacing with stimulation of right ventricular outflow tract	607/123	607/125	Bornzin; Gene A. et al.
US 5628779 A	USPAT	19970513	Single-pass A-V pacing lead	607/123	607/125	Bornzin; Gene A. et al.
US 5605158 A	USPAT	19970225	Apparatus for annotating physiological waveforms	600/508	600/523; 600/525	Snell; Jeffery D.
US 5560369 A	USPAT	19961001	Cardiac arrhythmia detection system for an implantable stimulation device and method	600/518	600/517; 600/521	McClure; Kelly H. et al.
US 5549650 A	USPAT	19960827	System and method for providing hemodynamically optimal pacing therapy	607/24	607/25	Bornzin; Gene A. et al.
US 5549649 A	USPAT	19960827	Programmable pacemaker including an atrial rate filter	607/15		Florio; Joseph J. et al.

			for deriving a filtered atrial rate used for switching pacing modes			
US 5549642 A	USPAT	19960827	Atrial defibrillator and method of use	607/5		Min; Xiaoyi et al.
US 5540725 A	USPAT	19960730	Upper rate response for implantable pacemaker based on atrial lock interval pacing	607/9		Bornzin; Gene A. et al.
US 5518001 A	USPAT	19960521	Cardiac device with patient- triggered storage of physiological sensor data	600/510	607/27	Snell; Jeffery D.
US 5514162 A	USPAT	19960507	System and method for automatically determining the slope of a transfer function for a rate-responsive cardiac pacemaker	607/19		Bornzin; Gene A. et al.
US 5513644 A	USPAT	19960507	Cardiac arrhythmia detection system for an implantable stimulation device	600/521	128/901	McClure; Kelly H. et al.
US 5509926 A	USPAT	19960423	Implantable medical device having means for suppressing thermally induced signals from piezoelectric sensors and method thereof	607/19		Mortazavi; Said et al.
US 5487755 A	USPAT	19960130	Methods for displaying a	607/27		Snell; Jeffery D.

			sequential series of pacing events			et al.
US 5487754 A	USPAT	19960130	Method and apparatus for reporting and displaying a sequential series of pacing events	607/27		Snell; Jeffery D. et al.
US 5476483 A	USPAT	19951219	System and method for modulating the base rate during sleep for a rateresponsive cardiac pacemaker	607/17		Bornzin; Gene A. et al.
US 5456692 A	USPAT	19951010	System and method for noninvasively altering the function of an implanted pacemaker	607/31		Smith, Jr.; Robert E. et al.
US 5456691 A	USPAT	19951010	Programming system having multiple program modules	607/30		Snell; Jeffery D.
US 5431691 A	USPAT	19950711	Method and system for recording and displaying a sequential series of pacing events	607/27		Snell; Jeffery D. et al.
US 5309919 A	USPAT	19940510	Method and system for recording, reporting, and displaying the distribution of pacing events over time and for using same to optimize programming	600/510	607/26	Snell; Jeffery D. et al.
US 5292341 A	USPAT	19940308	Method and system for	607/30		Snell; Jeffery D.

US 4941475 A	USPAT	19900717		determining and automatically adjusting the sensor parameters of a rateresponsive pacemaker Thermodilution by heat exchange	600/505	600/526; 600/549	Williams; Wilbur R. et al.
US 4813421 A	USPAT	19890321		Oxygen sensing pacemaker	600/333	356/41; 607/22	Baudino; Michael D. et al.
US 4809697 A	USPAT	19890307		Interactive programming and diagnostic system for use with implantable pacemaker	607/31	128/903; 607/30	Causey, III; James D. et al.
US 4807629 A	USPAT	19890228	:	Oxygen sensing pacemaker	607/22	600/333; 600/510	Baudino, Michael D. et al.
US 4791936 A	USPAT	19881220		Apparatus for interpreting and displaying cardiac events of a heart connected to a cardiac pacing means	600/510	607/27	Snell; Jeffery D. et al.
US 4791935 A	USPAT	19881220		Oxygen sensing pacemaker	600/333	600/505	Baudino; Michael D. et al.
US 4725128 A	USPAT	19880216		Method for delivering light from multiple light emitting diodes over a single optical fiber	385/91	156/60; 156/64; 257/100; 257/89; 257/98; 257/99; 385/90	Bornzin; Gene A. et al.
US H000356 H	USPAT	19871103		Epicardial lead having low threshold, low polarization myocardial electrode	607/126	604/20; 607/122	Stokes; Kenneth B. et al.
US 4596255 A	USPAT	19860624	9	Apparatus for	600/510	607/27	Snell;

			interpreting and displaying cardiac events of a heart connected to a cardiac pacing means			Jeffery D. et al.
US 4502492 A	USPAT	19850305	Low-polarization low-threshold electrode	607/121	607/126	Bornzin; Gene A.
US 4499907 A	USPAT	19850219	Energy limiting cardioversion lead	607/122		Kallok; Michael J. et al.
US 4467807 A	USPAT	19840828	Rate adaptive demand pacemaker	607/22		Bornzin, Gene A.